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Full	Title	Citation	Review	Classification	Date	Reference

Document Number 2

DERWENT-ACC-NO: 1997-039474   **BEST AVAILABLE COPY**
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TITLE: Image forming sheet for colour image formation for simplified proof - compri
photosensitive layer contg. colouring material, heat adhesive binder of photopolymer
cpd. and organic polymer, and initiator of complex

PATENT-ASSIGNEE: SHOWA DENKO KK[SHOW], TOPPAN PRINTING CO LTD[TOPP] .

PRIORITY-DATA: 1995JP-0101482 (April 25, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08297364 A	November 12, 1996	N/A	016	G03F 007/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP08297364A	N/A	1995JP-0101482	April 25, 1995 .

INT-CL (IPC): G03F 3/10; G03F 7/004; G03F 7/027; G03F 7/029; G03F 7/20; G03F 7/34

ABSTRACTED-PUB-NO: JP08297364A
BASIC-ABSTRACT: A sheet comprises a photosensitive layer contg. colouring material,
heat adhesive binder which comprises photopolymerising cpd. which has ethylene
unsatd. gp. and organic polymer which has no photopolymerisat ion,
photopolymerisation initiator of formula (I) which comprises complex with near i.r.
beam absorbing cationic dye and borate anion and storing stabiliser which comprises
bisimidazole cpd. of formula (II) or hindered amine cpd. mounted on a support. In
(I) D+ = cationic dye which has photo absorbance in a near i.r. beam area; R3-4 =
residual gp. of aliphatic cyclic, (un)satd. heterocyclic, (substd.) alkyl, (substd.)
aryl, (substd.) aralkyl, (substd.) allyl, (substd.) aralkyl, (substd.) alkenyl,
(substd.) alkynyl and (substd.) silyl, but residual gp(s). of R2-4 is 1-8C alkyl
gp.. In L1-L3 = (substd.) aryl gp..

USE - The sheet used for forming a colour image.

ADVANTAGE - An image is formed on an image receiver by transferring by heat pressure
and also long shelf life can be kept under high temp. and high humidity. The
simplified proof of high resolution and high quality can be provided easily.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:
IMAGE FORMING SHEET COLOUR IMAGE FORMATION SIMPLIFY PROOF COMPRISE PHOTOSENSITISER
LAYER CONTAIN COLOUR MATERIAL HEAT ADHESIVE BIND PHOTOPOLYMERISE COMPOUND ORGANIC
POLYMER INITIATE COMPLEX

DERWENT-CLASS: A89 E24 G06 P84

CPI-CODES: A08-C01; A08-D01; A11-C02B; A12-L02C; A12-W07F; E05-C; E07-D05; E07-D09B;
E07-D13B; E25; G05-C; G06-A04; G06-C11; G06-F03B; G06-F03D;

CHEMICAL-CODES:
Chemical Indexing M4 *01*
     Fragmentation Code
     C216 D013 D014 D016 D019 D022 D029 D320 D399 D601
     D602 D621 D622 E160 E199 E600 E699 E810 E899 G010
     G019 G036 G100 G111 G112 G113 G552 G562 H103 H141
     H181 H201 H581 H582 H602 H608 H641 H642 H661 H7
     H720 H721 H724 H725 J011 J012 J271 J272 K0   L7
     L721 L730 M1   M113 M119 M121 M123 M126 M129 M133
     M134 M139 M143 M210 M211 M212 M240 M272 M273 M280
     M281 M282 M283 M312 M313 M315 M321 M322 M323 M332
     M342 M343 M344 M349 M381 M383 M391 M392 M412 M512
     M520 M530 M531 M532 M533 M540 M541 M650 M782 M903
     M904 Q121 Q132 Q140 Q344 Q345 R043 W003 W030 W323
     W335
     Ring Index
     02709 02933
     Markush Compounds
     199704-C4101-M

Chemical Indexing M3 *02*
     Fragmentation Code
     B405 B414 B505 B514 B605 B614 B720 B744 B809 B831
     B834 F010 F019 F020 F021 F029 G001 G002 G010 G011
     G012 G013 G019 G020 G021 G022 G029 G030 G039 G040
     G050 G100 G111 G112 G113 G221 G299 G553 G563 H713
     H716 H721 H722 H723 H731 M121 M122 M123 M124 M125
     M126 M129 M144 M210 M211 M212 M213 M214 M215 M216
     M220 M221 M222 M223 M224 M225 M226 M231 M232 M233
     M250 M280 M281 M282 M283 M311 M312 M313 M314 M315
     M316 M320 M321 M322 M323 M331 M332 M333 M340 M342
     M351 M361 M391 M392 M393 M411 M510 M520 M521 M522
     M523 M530 M531 M532 M533 M540 M541 M542 M543 M620
     M630 M782 M903 M904 Q121 Q132 Q140 Q345 R043
     Markush Compounds
     199704-C4101-M

Chemical Indexing M4 *03*
     Fragmentation Code
     C106 G010 G013 G019 G100 H1   H103 H142 H143 H7
     H721 K0   L7   L730 M1   M121 M129 M132 M135 M139
     M150 M210 M211 M212 M273 M283 M315 M321 M332 M344
     M414 M510 M520 M533 M540 M650 M782 M903 M904 Q121
     Q132 Q140 Q344 Q345 R043 W003 W030 W323 W335
     Markush Compounds
     199704-C4102-M

Chemical Indexing M3 *04*
     Fragmentation Code
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     B834 F010 F019 F020 F021 F029 G001 G002 G010 G011
     G012 G013 G019 G020 G021 G022 G029 G030 G039 G040
     G050 G100 G111 G112 G113 G221 G299 G553 G563 H713
     H716 H721 H722 H723 H731 M121 M122 M123 M124 M125
     M126 M129 M144 M210 M211 M212 M213 M214 M215 M216
     M220 M221 M222 M223 M224 M225 M226 M231 M232 M233
     M250 M280 M281 M282 M283 M311 M312 M313 M314 M315
     M316 M320 M321 M322 M323 M331 M332 M333 M340 M342
     M351 M361 M391 M392 M393 M411 M510 M520 M521 M522

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        M630 M782 M903 M904 Q121 Q132 Q140 Q345 R043
        Markush Compounds
        199704-C4102-M
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Chemical Indexing M3 *05*
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    G100 G111 G112 G113 G221 G299 H1   H121 H2   H201
    H541 H542 H543 H601 H602 H608 H609 H641 H642 H643
    M1   M113 M115 M119 M210 M211 M272 M280 M281 M282
    M283 M320 M413 M510 M522 M533 M540 M782 M903 M904
    Q130 Q140 Q345 Q620 R043
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Chemical Indexing M3 *06*
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    F011 F012 F014 F016 F017 F019 F433 F499 F580 F599
    G017 G100 H100 H102 H103 H123 H181 H182 H183 H201
    H202 H203 H401 H441 J012 J222 L910 L922 L999 M126
    M129 M143 M149 M210 M211 M214 M220 M222 M223 M231
    M233 M240 M273 M281 M282 M283 M312 M313 M315 M321
    M322 M331 M332 M342 M343 M372 M382 M383 M391 M392
    M393 M413 M510 M522 M523 M530 M531 M540 M782 M903
    M904 Q130 Q140 Q345 Q620 R043
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    Markush Compounds
    199704-C4104-M
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Chemical Indexing M3 *07*
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    H182 H183 H2   H201 H202 H203 H4   H401 H421 H8
    J0   J012 J014 J2   J221 J272 J273 M210 M211 M240
    M272 M281 M283 M312 M322 M323 M332 M342 M382 M383
    M391 M392 M413 M510 M521 M522 M530 M540 M782 M903
    M904 Q130 Q140 Q345 Q620 R043
    Markush Compounds
    199704-C4105-M
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Chemical Indexing M3 *08*
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    B515 B701 B712 B720 B741 B815 B831 F011 F012 F013
    F014 F015 F016 F580 G017 G018 G019 G100 H102 H121
    H213 H4   H401 H402 H403 H404 H441 H442 H443 H444
    H582 H592 H598 H599 H8   J011 J012 J014 J271 J272
    J273 J371 J372 J523 L910 L999 M121 M123 M129 M132
    M139 M143 M150 M210 M211 M212 M214 M220 M222 M225
    M231 M233 M240 M271 M272 M281 M282 M283 M311 M312
    M315 M320 M321 M322 M323 M332 M334 M342 M344 M351
    M372 M373 M383 M391 M392 M393 M411 M413 M414 M510
    M520 M521 M531 M532 M533 M540 M630 M782 M903 M904
    Q130 Q140 Q345 Q620 Q624 R043
    Ring Index
    00212
    Markush Compounds
    199704-C4110-M
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ENHANCED-POLYMER-INDEXING:
Polymer Index [1.1]

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     018 ; D01 ; P0000 ; L9999 L2391 ; L9999 L2073 ; M9999 M2073
Polymer Index [1.2]
     018 ; ND01 ; Q9999 Q8822 Q8775 ; Q9999 Q8708 Q8606 ; K9698 K9676
     ; B9999 B4988*R B4977 B4740 ; K9836 K9790 ; N9999 N7147 N7034 N7023
     ; N9999 N7090 N7034 N7023 ; B9999 B5447 B5414 B5403 B5276 ; K9574
     K9483
Polymer Index [1.3]
     018 ; D12 D10 D51*R ; A999 A179 A157 ; A999 A771
Polymer Index [1.4]
     018 ; D01 D11 D10 D18*R D27 D12 D52 D51 F86 B* 3A D22*R D53 D54
     D55 D61*R ; A999 A771 ; A999 A179 A157
Polymer Index [1.5]
     018 ; D01 D23 D22 D75 D45 D18*R N* 5A ; A999 A486*R
Polymer Index [2.1]
     018 ; P0884 P1978 P0839 H0293 F41 D01 D11 D10 D19 D18 D31 D50 D63
     D90 E21 E00
Polymer Index [2.2]
     018 ; N9999 N7147 N7034 N7023 ; Q9999 Q7114*R ; N9999 N7192 N7023
     ; Q9999 Q7818*R ; ND01 ; K9416 ; K9574 K9483 ; K9698 K9676 ; Q9999
     Q8708 Q8606 ; Q9999 Q8822 Q8775
Polymer Index [3.1]
     018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;
     H0000 ; S9999 S1285*R ; P1150  ; P1161
Polymer Index [3.2]
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     ; Q9999 Q7818*R ; Q9999 Q8708 Q8606 ; Q9999 Q8822 Q8775
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CPI Secondary Accession Numbers: C1997-012549
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